ELSEVIER

Journal of Supercritical Fluids 13 (1998) 383–384

THE JOURNAL OF Supercritical Fluids

Author Index

Adschiri, T., 247, 261
Alvarado, G.E., 49
Arai, K., 29, 83, 247, 261
Arai, M., 149, 217
Arai, Y., 93
Arias, T., 225
Autefage, A., 351
Avelino, H.M.N.T., 177

Badalyan, A.G., 319
Balitskaya, L.V., 357
Balitsky, V.S., 357
Beckman, E., 121, 127, 253
Brunner, G., 283, 337
Bublikova, T.M., 357

Caramão, E.B., 343
Carmelo, P.J., 337
Casal, V., 269
Cassel, E., 69
Castier, M., 49
Çalimli, A., 325
Chandler, K., 187
Chang, S.-H., 113
Chen, C.-H., 211
Chommanad, T., 241
Chun, B.-S., 319
Cochran, H.D., 77

Dariva, C., 343
DiPippo, M.M., 225
Dunford, N.T., 303

Eckert, C.A., 107, 187
Enick, R., 121, 127, 253

Fages, J., 351
Fareleira, J.M.N.A., 177
Fogassy, E., 331
Frayssinet, P., 351
Fujishiro, Y., 363
Funazukuri, T., 169

Gao, Y., 369
Goto, M., 277, 303, 311
Gourgouillon, D., 177
Güvenç, A., 325

Hatakeda, K., 217
Hiaki, T., 15, 23
Higashi, H., 93
Hirakoso, H., 247
Hirose, S., 261
Hirose, T., 277, 311
Honda, S., 15
Hongo, M., 15, 23
Hori, K., 241
Howell, J., 121

Ikushima, Y., 149, 203, 375
Inomata, H., 83
Iwai, Y., 93
Iwasaki, F., 357
Iwasaki, H., 357

Jean, E., 351
Jonah, C.D., 155

Kabyemela, B., 261
Kagei, S., 169
Kalinichev, A.G., 357
Karmana, E., 127, 253
Kautz, C.B., 43
Kawahata, T., 197
Kazarian, S.G., 107
Kemény, S., 331
Keszei, S., 331
Kim, S., 99
Kim, Y.-S., 99
Kiran, E., 135
Koda, S., 197, 241
Kodama, A., 277, 311
Kojima, K., 61
Kondo, M., 311
Kong, C., 169
Krukonis, V., 121
Kurihara, K., 61

Larzul, D., 351
Lee, C.S., 55
Lee, L.L., 77
Lee, S.-B., 99
Liang, M.-T., 211
Liang, R.-C., 211
Liew, C.C., 83
Lopes, J.A., 337

Malaluan, R., 261
Marina, E.A., 357
Marrone, P.A., 225
Mathon, D., 351
Mehmetoglu, U., 325
Minowa, T., 127, 253
Miyagi, H., 23
Mochida, I., 203
Mochida, T., 163
Morita, T., 143
Mulenda, T.K., 369

Nada, T., 277
Nakagawa, K., 163
Nishikawa, K., 143
Nishiyama, Y., 149
Nunes da Ponte, M., 177, 337

Obata, H., 203
Ogata, A., 277
Ogi, T., 127, 253
Oliveira, J.V., 69, 343
Oshima, Y., 197, 241
Otomo, J., 197
Otsuki, Y., 163

Park, S.-C., 113
Pereira, P.J., 337
Peters, W.A., 225
Pinto, J.C., 343
Pöhler, H., 135
Poirier, B., 351

Reagan, M.T., 225
Rogalski, M., 69

Saito, N., 217
Saito, S., 83
Sakaki, T., 203
Sakanishi, K., 203

Sako, K., 225
Sandler, S.I., 49
Sasaki, M., 261
Sato, M., 311
Sato, T., 29, 363
Satou, T., 61
Sawamoto, S., 247
Sawamura, S., 155
Sawinsky, J., 331
Schmidt, H., 269
Schneider, G.M., 5, 37, 43
Schonemann, H., 121
Shervani, Z., 375
Shi, C.-M., 127, 253
Shi, Y.-F., 369
Shibata, M., 203
Shim, J.-J., 113
Shimoyama, I., 163
Shin, H.Y., 55
Simándi, B., 331
Simões, P.C., 337
Smith, Jr., R.L., 29
Suzuki, H., 29

Takahashi, K., 155
Takeda, N., 261
Temelli, F., 303
Tester, J.W., 225
Tochigi, K., 61
Toda, M., 241
Tsuji, T., 15, 23
Tuma, D., 37

Uchida, H., 93
Uchida, S., 363
Uller, A.M.C., 69
Vale, M.G., 343
Vincent, M.F., 107

Wagner, B., 43
Watanabe, M., 247
West, B.L., 107
Wilkinson, G.T., 319

Yamaguchi, T., 29
Yazdi, A., 121
Yin, S., 363
Yoo, K.P., 55
Yuan, W.-K., 369

Zhen, F., 127, 253

ELSEVIER

Journal of Supercritical Fluids 13 (1998) 385–391

THE JOURNAL OF Supercritical Fluids

Subject Index

Acetone
Alternative solvents for cellulose derivatives: Miscibility and density of cellulosic polymers in carbon dioxide + acetone and carbon dioxide + ethanol binary fluid mixtures 135
Adsorption
Molecular adsorption: repulsive versus attractive supercritical fluid mixtures 77
Alcohol distillery wastewater of molasses
Supercritical water oxidation for the destruction of municipal excess sludge and alcohol distillery wastewater of molasses 277
Alkaline fading
Water/AOT/ethane microemulsion under supercritical conditions as a reaction medium 217
Alumina reactor housing
SUWOX—a facility for the destruction of chlorinated hydrocarbons 269
Aluminum sulfate
Selective dimerization of benzothiophene using supported aluminum sulfate under supercritical CO_1 conditions 203
Ammonia
Prediction of phase equilibria for the systems containing ammonia using PRASOG 61
Ammonium ion
Supercritical water oxidation for the destruction of municipal excess sludge and alcohol distillery wastewater of molasses 277
Anthracene
Density dependence of photoionization potential of anthracene in supercritical ethane: a role of dynamic cluster 163
Anthraquinone dyestuffs
High-pressure solubility of 1,4-bis-(*n*-alkylamino)-9,10-anthraquinones in near- and supercritical carbon dioxide 43
AOT micelles
Water/AOT/ethane microemulsion under supercritical conditions as a reaction medium 217
The investigation of water/AOT/supercritical ethane reverse micelles by UV–VIS spectroscopy 375
Aqueous fluids
Silica transfer and β-quartz growth from supercritical aqueous fluids 357
Aromatic compound
Diffusion coefficients of aromatic compounds in supercritical carbon dioxide using molecular dynamics simulation 93
Auramine O
The investigation of water/AOT/supercritical ethane reverse micelles by UV–VIS spectroscopy 375
Axial dispersion
Effective axial dispersion coefficients in packed beds under supercritical conditions 169

Benzene
Photo-oxygenation of benzene in supercritical CO_2 197
Benzothiophene
Selective dimerization of benzothiophene using supported aluminum sulfate under supercritical CO_1 conditions 203
Biomass
Formation of fluoroether polyurethanes in CO_2 127
Cellulose decomposition in hot-compressed water with alkali or nickel catalyst 253
Bone allografts
Bone allografts and supercritical processing: effects on osteointegration and viral safety 351

Carbon dioxide
Measurement of the P–V–T relationship for carbon dioxide + *n*-butane and carbon dioxide + *i*-butane in the vicinity of the critical point 15
Phase behaviors and fractionation of polymer solutions in supercritical carbon dioxide 99
Phase behavior of CO_2–perfluoropolyether oil mixtures and CO_2–perfluoropolyether chelating agent mixtures 121
Formation of fluoroether polyurethanes in CO_2 127
Alternative solvents for cellulose derivatives: Miscibility and density of cellulosic polymers in carbon dioxide + acetone and carbon dioxide + ethanol binary fluid mixtures 135
Cellulose decomposition in hot-compressed water with alkali or nickel catalyst 253
Extraction of Australian ginger root with carbon dioxide and ethanol entrainer 319
Catalyst
Formation of fluoroether polyurethanes in CO_2 127
Cellulose decomposition in hot-compressed water with alkali or nickel catalyst 253
Cellulose
Formation of fluoroether polyurethanes in CO_2 127
Cellulose decomposition in hot-compressed water with alkali or nickel catalyst 253
Cellulose hydrolysis in subcritical and supercritical water 261
Cellulose derivatives
Alternative solvents for cellulose derivatives: Miscibility and density of cellulosic polymers in carbon dioxide + acetone and carbon dioxide + ethanol binary fluid mixtures 135

Characterization
Evaluation of the effects of process variables on the characteristics of the products from SCFE of a Brazilian mineral coal by statistical methods 343
Chelating agent
Phase behavior of CO_2–perfluoropolyether oil mixtures and CO_2–perfluoropolyether chelating agent mixtures 121
Chemical reactions
Tuning fluid solvents for chemical reactions 187
Citrus oil
Fractionation of citrus oil by supercritical countercurrent extractor with side-stream withdrawal 311
Cluster
Density dependence of photoionization potential of anthracene in supercritical ethane: a role of dynamic cluster 163
Clustering
Fluid behavior at supercritical states studied by small-angle X-ray scattering 143
CO_2
Tuning fluid solvents for chemical reactions 187
Computer simulation
Diffusion coefficients of aromatic compounds in supercritical carbon dioxide using molecular dynamics simulation 93
Configurational properties
A new two-fluid quasilattice equation of state for calculating physical properties and supercritical phase equilibria 55
Cosolvents
Tuning fluid solvents for chemical reactions 187
Countercurrent multistage separation
Industrial process development. Countercurrent multistage gas extraction (SFE) processes 283
Critical phenomena
High-pressure investigations of fluid mixtures – review and recent results 5
Critical points
Predictions of critical behavior using the Wong–Sandler mixing rule 49
Critical solution temperature
Phase behaviors and fractionation of polymer solutions in supercritical carbon dioxide 99
Crystallization
Characterization of ceria and yttria co-doped zirconia/alumina composites crystallized in supercritical methanol 363
Crystal violet
Water/AOT/ethane microemulsion under supercritical conditions as a reaction medium 217
Curve fitting
Effective axial dispersion coefficients in packed beds under supercritical conditions 169

Data VLE
Vapor–liquid equilibria for supercritical carbon dioxide + butanol systems at 313.2 K 23
Density
Volumetric behavior of ethyl acetate, ethyl octanoate, ethyl laurate, ethyl linoleate, and fish oil ethyl esters in the presence of supercritical CO_2 29
Simultaneous viscosity and density measurement of supercritical CO_2-saturated PEG 400 177
Density dependence
Density dependence of photoionization potential of anthracene in supercritical ethane: a role of dynamic cluster 163
Density effect
High-pressure solubility of 1,4-bis-(*n*-alkylamino)-9,10-anthraquinones in near- and supercritical carbon dioxide 43
Solid–fluid phase equilibrium modeling for binary systems containing carbon dioxide 69
Density fluctuation
Fluid behavior at supercritical states studied by small-angle X-ray scattering 143
Solvent reorganization energies measured by an electron transfer reaction in supercritical ethane 155
Density profiles
Molecular adsorption: repulsive versus attractive supercritical fluid mixtures 77
Destruction rates
SUWOX—a facility for the destruction of chlorinated hydrocarbons 269
Desulfurization
Selective dimerization of benzothiophene using supported aluminum sulfate under supercritical CO_1 conditions 203
Dichloromethane
SUWOX—a facility for the destruction of chlorinated hydrocarbons 269
Diffusion
Partitioning of solutes and cosolvents between supercritical CO_2 and polymer phases 107
Diffusion coefficient
Diffusion coefficients of aromatic compounds in supercritical carbon dioxide using molecular dynamics simulation 93
Diffusion coefficients
High-pressure investigations of fluid mixtures – review and recent results 5
Dimerization
Selective dimerization of benzothiophene using supported aluminum sulfate under supercritical CO_1 conditions 203
Disperse dyestuff
High-pressure solubility of disperse dyes in near- and supercritical fluids: measurements up to 100 MPa by a static method 37
Dyeing
Partitioning of solutes and cosolvents between supercritical CO_2 and polymer phases 107
Dyestuffs
High-pressure investigations of fluid mixtures – review and recent results 5

Electron transfer
Solvent reorganization energies measured by an electron transfer reaction in supercritical ethane 155

Enantiomer
Separation of enantiomers by supercritical fluid extraction 331
Equation of state
Vapor–liquid equilibria for supercritical carbon dioxide + butanol systems at 313.2 K 23
Prediction of phase equilibria for the systems containing ammonia using PRASOG 61
Equations of state
Predictions of critical behavior using the Wong–Sandler mixing rule 49
Essential oil
Extraction of Australian ginger root with carbon dioxide and ethanol entrainer 319
Ethanol
Alternative solvents for cellulose derivatives: Miscibility and density of cellulosic polymers in carbon dioxide + acetone and carbon dioxide + ethanol binary fluid mixtures 135
Extraction of Australian ginger root with carbon dioxide and ethanol entrainer 319
Supercritical CO_2 extraction of ethanol from fermentation broth in a semicontinuous system 325
Ethyl esters
Volumetric behavior of ethyl acetate, ethyl octanoate, ethyl laurate, ethyl linoleate, and fish oil ethyl esters in the presence of supercritical CO_2 29
1-ethyl-4-methoxycarbonyl pyridinium iodide
The investigation of water/AOT/supercritical ethane reverse micelles by UV–VIS spectroscopy 375
Excess free energy models
Predictions of critical behavior using the Wong–Sandler mixing rule 49
Excess function
Solid–fluid phase equilibrium modeling for binary systems containing carbon dioxide 69
Excimer laser
Photo-oxygenation of benzene in supercritical CO_2 197
Experimental design
Separation of enantiomers by supercritical fluid extraction 331

Fatty acids
Quality assessment of refined olive oils by gas extraction 337
Fermentation
Supercritical CO_2 extraction of ethanol from fermentation broth in a semicontinuous system 325
Fish oil
Volumetric behavior of ethyl acetate, ethyl octanoate, ethyl laurate, ethyl linoleate, and fish oil ethyl esters in the presence of supercritical CO_2 29
Modeling of oil extraction with supercritical CO_2 from Atlantic mackerel (*Scomber scombrus*) at different moisture contents 303
Flow method
High-pressure solubility of 1,4-bis-(*n*-alkylamino)-9,10-anthraquinones in near- and supercritical carbon dioxide 43
Fluoroether
Formation of fluoroether polyurethanes in CO_2 127
Cellulose decomposition in hot-compressed water with alkali or nickel catalyst 253
Fluoroethers
Phase behavior of CO_2–perfluoropolyether oil mixtures and CO_2–perfluoropolyether chelating agent mixtures 121
Fractionation
Phase behaviors and fractionation of polymer solutions in supercritical carbon dioxide 99
Phase behavior of CO_2–perfluoropolyether oil mixtures and CO_2–perfluoropolyether chelating agent mixtures 121
Fractionation of citrus oil by supercritical countercurrent extractor with side-stream withdrawal 311
FT-IR
Partitioning of solutes and cosolvents between supercritical CO_2 and polymer phases 107

Ginger
Extraction of Australian ginger root with carbon dioxide and ethanol entrainer 319
Global rate
Phenol oxidation kinetics in supercritical water 241
Gold particles
Optical absorption of fine gold particles in supercritical carbon dioxide for the characterization of solvent properties 149
Group contribution method
Prediction of phase equilibria for the systems containing ammonia using PRASOG 61
Growth
Silica transfer and β-quartz growth from supercritical aqueous fluids 357

Height of theoretical stages or transfer units
Industrial process development. Countercurrent multistage gas extraction (SFE) processes 283
High-pressure
Alternative solvents for cellulose derivatives: Miscibility and density of cellulosic polymers in carbon dioxide + acetone and carbon dioxide + ethanol binary fluid mixtures 135
HIV1 virus
Bone allografts and supercritical processing: effects on osteointegration and viral safety 351
Hydrocarbon
Polyethylene conversion in supercritical water 247
Hydrodynamics of countercurrent flow
Industrial process development. Countercurrent multistage gas extraction (SFE) processes 283
Hydrogen bonding
Three-dimensional structure and hydrogen bonding of water in sub- and supercritical regions: a molecular simulation study 83
Hydrogen peroxide
SUWOX—a facility for the destruction of chlorinated hydrocarbons 269
Hydrolysis
Cellulose hydrolysis in subcritical and supercritical water 261

i-butane
Measurement of the P–V–T relationship for carbon

dioxide + *n*-butane and carbon dioxide + *i*-butane in the vicinity of the critical point 15
Impregnation
Partitioning of solutes and cosolvents between supercritical CO_2 and polymer phases 107
Integral equations
Molecular adsorption: repulsive versus attractive supercritical fluid mixtures 77
Interesterification
The interesterification of edible palm oil by stearic acid in supercritical carbon dioxide 211
Internal reflux
Fractionation of citrus oil by supercritical countercurrent extractor with side-stream withdrawal 311

Kinetics
Phenol oxidation kinetics in supercritical water 241
Cellulose hydrolysis in subcritical and supercritical water 261

Lattice theory
A new two-fluid quasilattice equation of state for calculating physical properties and supercritical phase equilibria 55

Marcus theory
Solvent reorganization energies measured by an electron transfer reaction in supercritical ethane 155
Mass transfer modeling
Modeling of oil extraction with supercritical CO_2 from Atlantic mackerel (*Scomber scombrus*) at different moisture contents 303
Matrix effects
Optical absorption of fine gold particles in supercritical carbon dioxide for the characterization of solvent properties 149
Mechanical property
Characterization of ceria and yttria co-doped zirconia/alumina composites crystallized in supercritical methanol 363
Micropolarity
The investigation of water/AOT/supercritical ethane reverse micelles by UV–VIS spectroscopy 375
Mixing rules
Predictions of critical behavior using the Wong–Sandler mixing rule 49
Moisture content
Modeling of oil extraction with supercritical CO_2 from Atlantic mackerel (*Scomber scombrus*) at different moisture contents 303
Molecular dynamics
Diffusion coefficients of aromatic compounds in supercritical carbon dioxide using molecular dynamics simulation 93
Molecular simulation
Three-dimensional structure and hydrogen bonding of water in sub- and supercritical regions: a molecular simulation study 83
Moment method
Effective axial dispersion coefficients in packed beds under supercritical conditions 169
Municipal excess sludge
Supercritical water oxidation for the destruction of municipal excess sludge and alcohol distillery wastewater of molasses 277

n-butane
Measurement of the *P–V–T* relationship for carbon dioxide + *n*-butane and carbon dioxide + *i*-butane in the vicinity of the critical point 15
n-Hexadecane
Polyethylene conversion in supercritical water 247
Near-critical water
Formation of fluoroether polyurethanes in CO_2 127
Cellulose decomposition in hot-compressed water with alkali or nickel catalyst 253
Nearcritical fluids
Tuning fluid solvents for chemical reactions 187
Non-polar fluid
Solvent reorganization energies measured by an electron transfer reaction in supercritical ethane 155
Nonuniform Ornstein–Zernike
Molecular adsorption: repulsive versus attractive supercritical fluid mixtures 77

Oil quality
Quality assessment of refined olive oils by gas extraction 337
Oleoresin
Extraction of Australian ginger root with carbon dioxide and ethanol entrainer 319
Olive oil
Quality assessment of refined olive oils by gas extraction 337
Optical absorption
Optical absorption of fine gold particles in supercritical carbon dioxide for the characterization of solvent properties 149
Osseointegration
Bone allografts and supercritical processing: effects on osteointegration and viral safety 351
Oxidation
Phenol oxidation kinetics in supercritical water 241

P–V–T relation
Measurement of the *P–V–T* relationship for carbon dioxide + *n*-butane and carbon dioxide + *i*-butane in the vicinity of the critical point 15
Packed beds
Effective axial dispersion coefficients in packed beds under supercritical conditions 169
Palm oil
The interesterification of edible palm oil by stearic acid in supercritical carbon dioxide 211
Partitioning
Partitioning of solutes and cosolvents between supercritical CO_2 and polymer phases 107
Phase behavior
Volumetric behavior of ethyl acetate, ethyl octanoate, ethyl laurate, ethyl linoleate, and fish oil ethyl esters in the presence of supercritical CO_2 29

Phase behaviors and fractionation of polymer solutions in supercritical carbon dioxide 99
Phase behavior of CO_2–perfluoropolyether oil mixtures and CO_2–perfluoropolyether chelating agent mixtures 121
Formation of fluoroether polyurethanes in CO_2 127
Cellulose decomposition in hot-compressed water with alkali or nickel catalyst 253
Phase diagrams
Predictions of critical behavior using the Wong–Sandler mixing rule 49
Phase equilibria
High-pressure investigations of fluid mixtures – review and recent results 5
A new two-fluid quasilattice equation of state for calculating physical properties and supercritical phase equilibria 55
Prediction of phase equilibria for the systems containing ammonia using PRASOG 61
Phase equilibria of supercritical fluid–polymer systems 113
Industrial process development. Countercurrent multistage gas extraction (SFE) processes 283
Phenol
Photo-oxygenation of benzene in supercritical CO_2 197
Phenol oxidation kinetics in supercritical water 241
Photo-oxygenation
Photo-oxygenation of benzene in supercritical CO_2 197
Photoionization
Density dependence of photoionization potential of anthracene in supercritical ethane: a role of dynamic cluster 163
Pigments
Fine particles preparation of Red Lake C Pigment by supercritical fluid 369
PLC-8
Evaluation of the effects of process variables on the characteristics of the products from SCFE of a Brazilian mineral coal by statistical methods 343
Polyethylene
Polyethylene conversion in supercritical water 247
Poly(ethyleneglycol)
Simultaneous viscosity and density measurement of supercritical CO_2-saturated PEG 400 177
Polymer
Phase equilibria of supercritical fluid–polymer systems 113
Polymerization
Formation of fluoroether polyurethanes in CO_2 127
Cellulose decomposition in hot-compressed water with alkali or nickel catalyst 253
Polymer solution
Phase behaviors and fractionation of polymer solutions in supercritical carbon dioxide 99
Polymer solutions
Alternative solvents for cellulose derivatives: Miscibility and density of cellulosic polymers in carbon dioxide + acetone and carbon dioxide + ethanol binary fluid mixtures 135
Polyurethane
Formation of fluoroether polyurethanes in CO_2 127
Cellulose decomposition in hot-compressed water with alkali or nickel catalyst 253
PRASOG
Prediction of phase equilibria for the systems containing ammonia using PRASOG 61
Process variables
Evaluation of the effects of process variables on the characteristics of the products from SCFE of a Brazilian mineral coal by statistical methods 343
Productivity
Evaluation of the effects of process variables on the characteristics of the products from SCFE of a Brazilian mineral coal by statistical methods 343
Pyrolysis
Polyethylene conversion in supercritical water 247

Quartz
Silica transfer and β-quartz growth from supercritical aqueous fluids 357

Racemate
Separation of enantiomers by supercritical fluid extraction 331
Recrystallization
Fine particles preparation of Red Lake C Pigment by supercritical fluid 369
Refining
Quality assessment of refined olive oils by gas extraction 337
Repulsive and attractive mixtures
Molecular adsorption: repulsive versus attractive supercritical fluid mixtures 77
Resolution
Separation of enantiomers by supercritical fluid extraction 331
Ridge
Fluid behavior at supercritical states studied by small-angle X-ray scattering 143

SCF
Tuning fluid solvents for chemical reactions 187
SCFE
Evaluation of the effects of process variables on the characteristics of the products from SCFE of a Brazilian mineral coal by statistical methods 343
Silica transfer
Silica transfer and β-quartz growth from supercritical aqueous fluids 357
Small-angle X-ray scattering
Fluid behavior at supercritical states studied by small-angle X-ray scattering 143
Solid–fluid equilibrium
Solid–fluid phase equilibrium modeling for binary systems containing carbon dioxide 69
Solid–fluid phase equilibria
High-pressure solubility of disperse dyes in near- and supercritical fluids: measurements up to 100 MPa by a static method 37
Solubility
High-pressure solubility of disperse dyes in near- and

supercritical fluids: measurements up to 100 MPa by a static method 37
Solubility data
High-pressure solubility of 1,4-bis-(*n*-alkylamino)-9,10-anthraquinones in near- and supercritical carbon dioxide 43
Solvatochromism
High-pressure investigations of fluid mixtures – review and recent results 5
Solvent properties
Optical absorption of fine gold particles in supercritical carbon dioxide for the characterization of solvent properties 149
Solvent reorganization energy
Solvent reorganization energies measured by an electron transfer reaction in supercritical ethane 155
Sorption
Phase equilibria of supercritical fluid–polymer systems 113
Stainless-steel pressure housing
SUWOX—a facility for the destruction of chlorinated hydrocarbons 269
Static method
High-pressure solubility of disperse dyes in near- and supercritical fluids: measurements up to 100 MPa by a static method 37
Statistical analysis
Evaluation of the effects of process variables on the characteristics of the products from SCFE of a Brazilian mineral coal by statistical methods 343
Supercritical
Effective axial dispersion coefficients in packed beds under supercritical conditions 169
Supercritical carbon dioxide
Solid–fluid phase equilibrium modeling for binary systems containing carbon dioxide 69
Diffusion coefficients of aromatic compounds in supercritical carbon dioxide using molecular dynamics simulation 93
Partitioning of solutes and cosolvents between supercritical CO_2 and polymer phases 107
Optical absorption of fine gold particles in supercritical carbon dioxide for the characterization of solvent properties 149
The interesterification of edible palm oil by stearic acid in supercritical carbon dioxide 211
Modeling of oil extraction with supercritical CO_2 from Atlantic mackerel (*Scomber scombrus*) at different moisture contents 303
Supercritical CO_2
High-pressure solubility of 1,4-bis-(*n*-alkylamino)-9,10-anthraquinones in near- and supercritical carbon dioxide 43
Simultaneous viscosity and density measurement of supercritical CO_2-saturated PEG 400 177
Photo-oxygenation of benzene in supercritical CO_2 197
Selective dimerization of benzothiophene using supported aluminum sulfate under supercritical CO_1 conditions 203
Supercritical CO_2 extraction of ethanol from fermentation broth in a semicontinuous system 325
Bone allografts and supercritical processing: effects on osteointegration and viral safety 351
Fine particles preparation of Red Lake C Pigment by supercritical fluid 369
Supercritical ethane
Density dependence of photoionization potential of anthracene in supercritical ethane: a role of dynamic cluster 163
Water/AOT/ethane microemulsion under supercritical conditions as a reaction medium 217
The investigation of water/AOT/supercritical ethane reverse micelles by UV–VIS spectroscopy 375
Supercritical extraction
Fractionation of citrus oil by supercritical countercurrent extractor with side-stream withdrawal 311
Extraction of Australian ginger root with carbon dioxide and ethanol entrainer 319
Supercritical CO_2 extraction of ethanol from fermentation broth in a semicontinuous system 325
Separation of enantiomers by supercritical fluid extraction 331
Quality assessment of refined olive oils by gas extraction 337
Supercritical fluid
Phase equilibria of supercritical fluid–polymer systems 113
Fluid behavior at supercritical states studied by small-angle X-ray scattering 143
Supercritical fluid extraction
Solid–fluid phase equilibrium modeling for binary systems containing carbon dioxide 69
Supercritical fluid (gas) extraction (SFE)
Industrial process development. Countercurrent multistage gas extraction (SFE) processes 283
Supercritical fluids
Molecular adsorption: repulsive versus attractive supercritical fluid mixtures 77
Alternative solvents for cellulose derivatives: Miscibility and density of cellulosic polymers in carbon dioxide + acetone and carbon dioxide + ethanol binary fluid mixtures 135
Supercritical methanol
Characterization of ceria and yttria co-doped zirconia/alumina composites crystallized in supercritical methanol 363
Supercritical water
Three-dimensional structure and hydrogen bonding of water in sub- and supercritical regions: a molecular simulation study 83
Phenol oxidation kinetics in supercritical water 241
Polyethylene conversion in supercritical water 247
Cellulose hydrolysis in subcritical and supercritical water 261
Supercritical water oxidation
SUWOX—a facility for the destruction of chlorinated hydrocarbons 269
Supercritical water oxidation for the destruction of municipal excess sludge and alcohol distillery wastewater of molasses 277
Swelling
Volumetric behavior of ethyl acetate, ethyl octanoate, ethyl

laurate, ethyl linoleate, and fish oil ethyl esters in the presence of supercritical CO_2 29
Phase equilibria of supercritical fluid–polymer systems 113

Temperature gradient
Fractionation of citrus oil by supercritical countercurrent extractor with side-stream withdrawal 311
Thermal stability
Characterization of ceria and yttria co-doped zirconia/alumina composites crystallized in supercritical methanol 363
Three-dimensional structure
Three-dimensional structure and hydrogen bonding of water in sub- and supercritical regions: a molecular simulation study 83
Total organic carbon
Supercritical water oxidation for the destruction of municipal excess sludge and alcohol distillery wastewater of molasses 277
Two-fluid approximation
A new two-fluid quasilattice equation of state for calculating physical properties and supercritical phase equilibria 55

Ultrafine particles
Fine particles preparation of Red Lake C Pigment by supercritical fluid 369

UV/vis
Partitioning of solutes and cosolvents between supercritical CO_2 and polymer phases 107

Vibrating-wire
Simultaneous viscosity and density measurement of supercritical CO_2-saturated PEG 400 177
Viral safety
Bone allografts and supercritical processing: effects on osteointegration and viral safety 351
VIS-spectroscopy
High-pressure solubility of disperse dyes in near- and supercritical fluids: measurements up to 100 MPa by a static method 37
Viscosity
Simultaneous viscosity and density measurement of supercritical CO_2-saturated PEG 400 177

W/O microemulsion
Water/AOT/ethane microemulsion under supercritical conditions as a reaction medium 217
Water
Tuning fluid solvents for chemical reactions 187

Zirconia/alumina composites
Characterization of ceria and yttria co-doped zirconia/alumina composites crystallized in supercritical methanol 363